FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)

OFFICE OF AIR MANAGEMENT

The StonCor Group, Inc.
1310 Dividend Road
Fort Wayne, Indiana 46808

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F 003-10697-00217	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary colored sand blending and bagging source.

Authorized individual:	Walter D. Toomer
Source Address:	1310 Dividend Road, Fort Wayne, Indiana 46808
Mailing Address:	1310 Dividend Road, Fort Wayne, Indiana 46808
Phone Number:	609 - 779 - 7500
SIC Code:	1446
County Location:	Allen
County Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD Rules; Minor Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

Stonclad Process

(a) Three (3) silos, known as EU #1 (silos 1 - 3), pneumatic transfer, equipped with a baghouse dust collector (Baghouse #1), installed prior to 1982, exhausted through Stack 1, storage capacities: 210, 151 and 150 tons of sand, respectively, throughput capacities: 9,000, 11,000 and 3,500 pounds of sand per hour, respectively.

(b) Two (2) silos, known as EU #2 (silos 4 & 5), pneumatic transfer, each equipped with a baghouse dust collector (Baghouse #2), installed in 1982, exhausted through Stack 2, storage capacities: 70, and 46 tons of sand, respectively, throughput capacities: 800 and 300 pounds of sand per hour, respectively.

(c) One (1) sand feed chute, known as EU # 3, equipped with polyester felt bag for particulate matter control, installed in 1982, exhausted through Stack 3, storage capacity: 500 pounds of sand, throughput capacity: 17,000 pounds of sand per hour (capacity: 15,050 pounds of sand per hour pursuant to CP 003-4084-00217, issued April 24, 1995).

(d) One (1) Stonclad blender, known as EU #4, pneumatic transfer, equipped with baghouse dust collector (Baghouse #4), installed in 1982, exhausted through Stack 4, storage capacity: 5,000 pounds per hour, throughput capacity: 17,000 pounds of sand per hour (capacity: 15,050 pounds of sand per hours pursuant to CP 003-4084-00217, issued April 24, 1995).

(e) One (1) Stonclad bagger and receiving bin, known as EU #5, pneumatic transfer, equipped with the Central Dust Collector and a baghouse dust collector (Baghouse #5), respectively, installed in 1987, exhausted through Stacks 10 and 5, storage capacity: 22 tons of sand,

throughput capacity: 17,000 pounds of sand per hour (capacity: 15,050 pounds of sand per hours pursuant to CP 003-4084-00217, issued April 24, 1995).

Stonblend/Stonshield Coating Process

(f) One (1) Forburg receiving bin, known as EU #6, pneumatic transfer, equipped with baghouse dust collector (Baghouse #6), installed in 1987, exhausted through Stack 6, storage capacity: 1.2 tons of sand, throughput capacity: 9,000 pounds of sand per hour (capacity: 6,000 pounds of sand per hour pursuant to CP 003-4084-00217, issued April 24, 1995).

(g) One (1) tote fill station, known as EU #7, pneumatic transfer, equipped with baghouse dust collector for conveying (Baghouse #7) and the Central Dust Collector for filling, installed in 1987, exhausted through Stacks 7 and 10, storage capacity: 1.2 tons of sand, throughput capacity: 9,000 pounds of sand per hour (capacity: 6,000 pounds of sand per hour pursuant to CP 003-4084-00217, issued April 24, 1995).

(h) One (1) Stonsheild bagger and receiving bin, known as EU #8, pneumatic transfer, equipped with the Central Dust Collector and a baghouse dust collector (Baghouse #8), respectively, installed in 1987, exhausted through Stacks 10 and 8, storage capacity: 3.2 tons of sand, capacity: 19,152 pounds of sand per hour.

(i) One (1) white silo, known as EU #9, pneumatic transfer, equipped with the Stonsheild Central Dust Collector, installed in 1987, exhausted through Stack 9, storage capacity: 52 tons of sand, throughput capacity: 7,000 pounds of sand per hour.

(j) One (1) raw material silo, EU #10, pneumatic transfer, equipped with the Stonsheild Central Dust Collector, installed in 1987, exhausted through Stack 9, storage capacity: 63 tons of sand, throughput capacity: 9,000 pounds of sand per hour.

(k) One (1) Stonshield blender, one (1) Stonshield weigh hopper and three (3) tote stations, known as EU #11, pneumatic transfer, equipped with the Stonsheild Central Dust Collector, installed in 1987, exhausted through Stack 9, storage capacity: 2.4 tons of sand, throughput capacity: 7,000 pounds of sand per hour.

(l) One (1) Stonshield screening, Forburg surge hopper and raw material transporter, known as EU #12, equipped with Central Dust Collector, installed in 1987, exhausted through Stack 10, throughput capacity: 7,000 pounds of sand per hour.

(m) One (1) hand pack line with hopper bin, known as EU# 13, equipped with a baghouse dust collector (Baghouse # 11), installed in 1997, exhausted through Stack 11, storage capacity: 2.4 tons of sand, throughput capacity: 680 pounds of sand per hour.

(n) One (1) fluidized zone mixer designated as Forburg Mixer, known as EU #15, equipped with a baghouse dust collector (Baghouse #12), exhausting through Stack 15, installed in 1999, capacity: 17,143 pounds of aggregate, pigment and polymer dispersion per hour (8.571 batches per hour).

UT Process

(o) One (1) ribbon blender, known as EU #16, equipped with a baghouse dust collector (Baghouse UT), exhausting inside the building, installed in 1999, capacity: 5,000 pounds of aggregates per hour.

(p) One (1) bagging machine, known as EU #17, equipped with a baghouse dust collector, (Baghouse UT), exhausting inside the building, installed in 1999, capacity: 5,000 pounds of aggregates per hour.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour.

(b) The following VOC and HAP storage containers: Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.

(c) Any unit emitting less than 25 pounds per day or less than 5 pounds per hour of particulate matter: Bulk bag unloader - breaking of bag of sand. (326 IAC 6-3)

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM) for a Federally Enforceable State Operating Permit (FESOP).

A.5 Prior Permit Conditions

(a) This permit shall be used as the primary document for determining compliance with applicable requirements established by previously issued permits.

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, including any term or condition from a previously issued construction or operation permit, IDEM, OAM, when applicable shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued.

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [IC 13]

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

B.2 Definitions [326 IAC 2-8-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, any applicable definitions found in IC 13-11, 326 IAC 1-2, and 326 IAC 2-7 shall prevail.

B.3 Permit Term [326 IAC 2-8-4(2)]

This permit is issued for a fixed term of five (5) years from the effective date, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3.

B.4 Enforceability [326 IAC 2-8-6]

(a) All terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM.

(b) Unless otherwise stated, terms and conditions of this permit, including any provisions to limit the source's potential to emit, are enforceable by the United States Environmental Protection Agency (U.S. EPA) and citizens under the Clean Air Act.

B.5 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.6 Severability [326 IAC 2-8-4(4)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

B.8 Duty to Supplement and Provide Information [326 IAC 2-8-3(f)] [326 IAC 2-8-4(5)(E)]

(a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

(b) The Permittee shall furnish to IDEM, OAM, within a reasonable time, any information that IDEM, OAM, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.

(c) Upon request, the Permittee shall also furnish to IDEM, OAM, copies of records required to be kept by this permit. If the Permittee wishes to assert a claim of confidentiality over any

of the furnished records, the Permittee must furnish such records to IDEM, OAM, along with a claim of confidentiality under 326 IAC 17. If requested by IDEM, OAM, or the U.S. EPA, to furnish copies of requested records directly to U. S. EPA, and if the Permittee is making a claim of confidentiality regarding the furnished records, the Permittee must furnish such confidential records directly to the U.S. EPA along with a claim of confidentiality under 40 CFR 2, Subpart B.

B.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAM may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.10 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]

(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit, except those specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act and is grounds for:

(1) Enforcement action;

(2) Permit termination, revocation and reissuance, or modification; and

(3) Denial of a permit renewal application.

(b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

B.11 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted under this permit shall contain certification by a authorized individual of truth, accuracy, and completeness. This certification, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, on the attached Certification Form, with each submittal.

(c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.12 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The certification shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on

the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was based on continuous or intermittent data;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and

(5) Such other facts as specified in Sections D of this permit, IDEM, OAM, may require to determine the compliance status of the source.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.13 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMP) within ninety (90) days after issuance of this permit, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions;

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If due to circumstances beyond its control, the PMP cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

(b) The Permittee shall implement the Preventive Maintenance Plans as necessary to ensure that failure to implement the Preventive Maintenance Plan does not cause or contribute to a violation of any limitation on emissions or potential to emit.

(c) PMP's shall be submitted to IDEM, OAM, upon request and shall be subject to review and approval by IDEM, OAM. IDEM, OAM may require the Permittee to revise its Preventive Maintenance Plan whenever lack of proper maintenance causes or contributes to any violation.

B.14 Emergency Provisions [326 IAC 2-8-12]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAM, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone No.: 1-800-451-6027 (ask for Office of Air Management, Compliance Section) or,
Telephone No.: 317-233-5674 (ask for Compliance Section)
Facsimile No.: 317-233-5967

Failure to notify IDEM, OAM, by telephone or facsimile within four (4) daytime business hours after the beginning of the emergency, or after the emergency is discovered or reasonably should have been discovered, shall constitute a violation of 326 IAC 2-8 and any other applicable rules. [326 IAC 2-8-12(f)]

(5) For each emergency lasting one (1) hour or more, the Permittee submitted notice either in writing or facsimile, of the emergency to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions) for sources subject to this rule after the effective date of this rule. This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) IDEM, OAM, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

(f) Failure to notify IDEM, OAM, by telephone or facsimile of an emergency lasting more than one (1) hour in compliance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.

(g) Operations may continue during an emergency only if the following conditions are met:

(1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:

(A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and

(B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

(a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provision), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within ten (10) calendar days from the date of the discovery of the deviation.

(b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit or a rule. It does not include:

(1) An excursion from compliance monitoring parameters as identified in Section D of this permit unless tied to an applicable rule or limit; or

(2) An emergency as defined in 326 IAC 2-7-1(12); or

(3) Failure to implement elements of the Preventive Maintenance Plan unless such failure has caused or contributed to a deviation.

(4) Failure to make or record information required by the compliance monitoring provisions of Section D unless such failure exceeds 5% of the required data in any calendar quarter.

A Permittee's failure to take the appropriate response step when an excursion of a compliance monitoring parameter has occurred is a deviation.

(c) Written notification shall be submitted on the attached Emergency/Deviation Occurrence Reporting Form or its substantial equivalent. The notification does not need to be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(d) Proper notice submittal under 326 IAC 2-7-16 satisfies the requirement of this subsection.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)]

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAM, determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]

(c) Proceedings by IDEM, OAM, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAM, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAM, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAM, and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except

those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, IN 46206-6015

(b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]

(1) A timely renewal application is one that is:

(A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, on or before the date it is due.

(2) If IDEM, OAM, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

(c) Right to Operate After Application for Renewal [326 IAC 2-8-9]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAM, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAM, any additional information identified as needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-8-10] [326 IAC 2-8-11.1]

(a) The Permittee must comply with the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

Any such application should be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1) only if a certification is required by the terms of the applicable rule.

(c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.19 Operational Flexibility [326 IAC 2-8-15]

(a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any approval required by 326 IAC 2-1.1 has been obtained;

(3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review.

Such records shall consist of all information required to be submitted to IDEM, OAM, in the notices specified in 326 IAC 2-8-15(b), (c)(1), and (d).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-8-15(a) and the following additional conditions:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1.

(c) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).

(d) Alternative Operating Scenarios [326 IAC 2-8-15(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAM or U.S. EPA is required.

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Construction Permit Requirement [326 IAC 2]
A modification, construction, or reconstruction shall be approved if required by and in accordance with the applicable provisions of 326 IAC 2.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)]
Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAM, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements. [326 IAC 2-8-5(a)(4)]

B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

(a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The application which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-11(b)(3)]

B.23 Annual Fee Payment [326 IAC 2-8-4(6)] [326 IAC 2-8-16]

(a) The Permittee shall pay annual fees to IDEM, OAM, within thirty (30) calendar days of receipt of a billing. If the Permittee does not receive a bill from IDEM, OAM the applicable fee is due April 1 of each year.

(b) Failure to pay may result in administrative enforcement action, or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-0425 (ask for OAM, Technical Support and Modeling Section), to determine the appropriate permit fee.

B.24 Advanced Source Modification Approval [326 IAC 2-8-4(11)]

The requirements to obtain a permit revision under 326 IAC 2-8-11.1 are satisfied by this permit for the proposed emission units, control equipment or insignificant activities in Sections A.2 and A.3 if such modifications occur during the term of this permit.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

C.1 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

(1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period.

(2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and

(3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(c) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemption Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3(a)(2)(A) and (B) are not federally enforceable.

C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and in 326 IAC 9-1-2. The provisions of 326 IAC 9-1-2 are not federally enforceable.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on September 15, 1994. The plan consists of controlling fugitive dust by utilizing air pollution control equipment, specifically baghouse dust collectors. Fugitive emissions shall be considered in compliance with the control plan provided that the visible emissions do not exceed 20% opacity.

C.7 Operation of Equipment [326 IAC 2-8-5(a)(4)]

Except as otherwise provided in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.8 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

C.9 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61.140]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The notifications do not require a certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4 emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited is federally enforceable.

Testing Requirements [326 IAC 2-8-4(3)]

C.10 Performance Testing [326 IAC 3-6]

(a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAM.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

no later than thirty-five (35) days prior to the intended test date. The Permittee shall submit a notice of the actual test date to the above address so that it is received at least two weeks prior to the test date.

(b) All test reports must be received by IDEM, OAM, within forty-five (45) days after the completion of the testing. An extension may be granted by the IDEM, OAM, if the source submits to IDEM, OAM, a reasonable written explanation within five (5) days prior to the end of the initial forty-five (45) day period.

The documentation submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.11 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

Compliance with applicable requirements shall be documented as required by this permit. All monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

in writing, prior to the end of the initial ninety (90) day compliance schedule with full justification of the reasons for inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

C.12 Maintenance of Monitoring Equipment [326 IAC 2-8-4(3)(A)(iii)]

(a) In the event that a breakdown of the monitoring equipment occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem. To the extent practicable, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less frequent than required in Section D of this permit until such time as the monitoring equipment is back in operation. In the case of continuous monitoring, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less than one (1) hour until such time as the continuous monitor is back in operation.

(b) The Permittee shall install, calibrate, quality assure, maintain, and operate all necessary monitors and related equipment. In addition, prompt corrective action shall be initiated whenever indicated.

C.13 Monitoring Methods [326 IAC 3]

Any monitoring or testing performed required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, or other approved methods as specified in this permit.

C.14 Pressure Gauge Specifications

Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (±2%) of full scale reading.

Corrective Actions and Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.15 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within ninety (90) days from the date of issuance of this permit.

The ERP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) If the ERP is disapproved by IDEM, OAM, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

(f) Upon direct notification by IDEM, OAM, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.16 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68.215]

If a regulated substance, subject to 40 CFR 68, is present at a source in more than a threshold quantity, 40 CFR 68 is an applicable requirement and the Permittee shall:

(a) Submit:

(1) A compliance schedule for meeting the requirements of 40 CFR 68 by the date provided in 40 CFR 68.10(a); or

(2) As a part of the compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP); and

(3) A verification to IDEM, OAM, that a RMP or a revised plan was prepared and submitted as required by 40 CFR 68.

(b) Provide annual certification to IDEM, OAM, that the Risk Management Plan is being properly implemented.

All documents submitted pursuant to this condition shall include the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

C.17 Compliance Monitoring Plan - Failure to Take Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5] [326 IAC 1-6]

(a) The Permittee is required to implement a compliance monitoring plan to ensure that reasonable information is available to evaluate its continuous compliance with applicable requirements. This compliance monitoring plan is comprised of:

(1) This condition;

(2) The Compliance Determination Requirements in Section D of this permit;

(3) The Compliance Monitoring Requirements in Section D of this permit;

(4) The Record Keeping and Reporting Requirements in Section C (Monitoring Data Availability, General Record Keeping Requirements, and General Reporting Requirements) and in Section D of this permit; and

(5) A Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. CRP's shall be submitted to IDEM, OAM, upon request and shall be subject to review and approval by IDEM, OAM. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee and maintained on site, and is comprised of:

(A) Response steps that will be implemented in the event that compliance related information indicates that a response step is needed pursuant to the requirements of Section D of this permit; and

(B) A time schedule for taking such response steps including a schedule for devising additional response steps for situations that may not have been predicted.

(b) For each compliance monitoring condition of this permit, appropriate response steps shall be taken when indicated by the provisions of that compliance monitoring condition. Failure to perform the actions detailed in the compliance monitoring conditions or failure to take the response steps within the time prescribed in the Compliance Response Plan, shall constitute a violation of the permit unless taking the response steps set forth in the Compliance Response Plan would be unreasonable.

(c) After investigating the reason for the excursion, the Permittee is excused from taking further response steps for any of the following reasons:

(1) The monitoring equipment malfunctioned, giving a false reading. This shall be an excuse from taking further response steps providing that prompt action was taken to correct the monitoring equipment.

(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied or;

(3) An automatic measurement was taken when the process was not operating; or

(4) The process has already returned to operating within "normal" parameters and no response steps are required.

(d) Records shall be kept of all instances in which the compliance related information was not met and of all response steps taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

C.18 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate corrective actions. The Permittee shall submit a description of these corrective actions to IDEM, OAM, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. IDEM, OAM shall notify the Permittee within thirty (30) days, if the corrective actions taken are deficient. The Permittee shall submit a description of additional corrective actions taken to IDEM, OAM within thirty (30) days of receipt of the notice of deficiency. IDEM, OAM reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAM that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAM may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate permit conditions may be grounds for immediate revocation of the permit to operate the affected facility.

The documents submitted pursuant to this condition do not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.19 Monitoring Data Availability

(a) With the exception of performance tests conducted in accordance with Section C- Performance Testing all observations, sampling, maintenance procedures, and record keeping, required as a condition of this permit shall be performed at all times the equipment is operating at normal representative conditions.

(b) As an alternative to the observations, sampling, maintenance procedures, and record keeping of subsection (a) above, when the equipment listed in Section D of this permit is not operating, the Permittee shall either record the fact that the equipment is shut down or perform the observations, sampling, maintenance procedures, and record keeping that would otherwise be required by this permit.

(c) If the equipment is operating but abnormal conditions prevail, additional observations and sampling should be taken with a record made of the nature of the abnormality.

(d) If for reasons beyond its control, the operator fails to make required observations, sampling, maintenance procedures, or record keeping, reasons for this must be recorded.

(e) At its discretion, IDEM may excuse such failure providing adequate justification is documented and such failures do not exceed five percent (5%) of the operating time in any quarter.

(f) Temporary, unscheduled unavailability of staff qualified to perform the required observations, sampling, maintenance procedures, or record keeping shall be considered a valid

reason for failure to perform the requirements in (a) above.

C.20 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

(a) Records of all required monitoring data and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location for a minimum of three (3) years and available upon the request of an IDEM, OAM, representative. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a written request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Records of required monitoring information shall include, where applicable:

(1) The date, place, and time of sampling or measurements;

(2) The dates analyses were performed;

(3) The company or entity performing the analyses;

(4) The analytic techniques or methods used;

(5) The results of such analyses; and

(6) The operating conditions existing at the time of sampling or measurement.

(c) Support information shall include, where applicable:

(1) Copies of all reports required by this permit;

(2) All original strip chart recordings for continuous monitoring instrumentation;

(3) All calibration and maintenance records;

(4) Records of preventive maintenance shall be sufficient to demonstrate that failure to implement the Preventive Maintenance Plan did not cause or contribute to a violation of any limitation on emissions or potential to emit. To be relied upon subsequent to any such violation, these records may include, but are not limited to: work orders, parts inventories, and operator's standard operating procedures. Records of response steps taken shall indicate whether the response steps were performed in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps, of this permit, and whether a deviation from a permit condition was reported. All records shall briefly describe what maintenance and response steps were taken and indicate who performed the tasks.

(d) All record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.21 General Reporting Requirements [326 IAC 2-8-4(3)(C)]

(a) To affirm that the source has met all the compliance monitoring requirements stated in this permit the source shall submit a Semi-annual Compliance Monitoring Report. Any deviation from the requirements and the date(s) of each deviation must be reported. The Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by

326 IAC2-1.1-1(1).

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, on or before the date it is due.

(d) Unless otherwise specified in this permit, any semi-annual report shall be submitted within thirty (30) days of the end of the reporting period. The reports do not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) All instances of deviations as described in Section B- Deviations from Permit Requirements Conditions must be clearly identified in such reports. The Emergency/Deviation Occurrence Report does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(f) Any corrective actions or response steps taken as a result of each deviation must be clearly identified in such reports.

(g) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period.

Stratospheric Ozone Protection

C.22 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

(a) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156

(b) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

Stonclad Process

(a) Three (3) silos, known as EU #1 (silos 1 - 3), pneumatic transfer, equipped with a baghouse dust collector (Baghouse #1), installed prior to 1982, exhausted through Stack 1, storage capacities: 210, 151 and 150 tons of sand, respectively, throughput capacities: 9,000, 11,000 and 3,500 pounds of sand per hour, respectively.

(b) Two (2) silos, known as EU #2 (silos 4 & 5), pneumatic transfer, each equipped with a baghouse dust collector (Baghouse #2), installed in 1982, exhausted through Stack 2, storage capacities: 70, and 46 tons of sand, respectively, throughput capacities: 800 and 300 pounds of sand per hour, respectively.

(c) One (1) sand feed chute, known as EU # 3, equipped with polyester felt bag for particulate matter control, installed in 1982, exhausted through Stack 3, storage capacity: 500 pounds of sand, throughput capacity: 17,000 pounds of sand per hour (capacity: 15,050 pounds of sand per hour pursuant to CP 003-4084-00217, issued April 24, 1995).

(d) One (1) Stonclad blender, known as EU #4, pneumatic transfer, equipped with baghouse dust collector (Baghouse #4), installed in 1982, exhausted through Stack 4, storage capacity: 5,000 pounds per hour, throughput capacity: 17,000 pounds of sand per hour (capacity: 15,050 pounds of sand per hours pursuant to CP 003-4084-00217, issued April 24, 1995).

(e) One (1) Stonclad bagger and receiving bin, known as EU #5, pneumatic transfer, equipped with the Central Dust Collector and a baghouse dust collector (Baghouse #5), respectively, installed in 1987, exhausted through Stacks 10 and 5, storage capacity: 22 tons of sand, throughput capacity: 17,000 pounds of sand per hour (capacity: 15,050 pounds of sand per hours pursuant to CP 003-4084-00217, issued April 24, 1995).

Stonblend/Stonshield Coating Process

(f) One (1) Forburg receiving bin, known as EU #6, pneumatic transfer, equipped with baghouse dust collector (Baghouse #6), installed in 1987, exhausted through Stack 6, storage capacity: 1.2 tons of sand, throughput capacity: 9,000 pounds of sand per hour (capacity: 6,000 pounds of sand per hour pursuant to CP 003-4084-00217, issued April 24, 1995).

(g) One (1) tote fill station, known as EU #7, pneumatic transfer, equipped with baghouse dust collector for conveying (Baghouse #7) and the Central Dust Collector for filling, installed in 1987, exhausted through Stacks 7 and 10, storage capacity: 1.2 tons of sand, throughput capacity: 9,000 pounds of sand per hour (capacity: 6,000 pounds of sand per hour pursuant to CP 003-4084-00217, issued April 24, 1995).

(h) One (1) Stonsheild bagger and receiving bin, known as EU #8, pneumatic transfer, equipped with the Central Dust Collector and a baghouse dust collector (Baghouse #8), respectively, installed in 1987, exhausted through Stacks 10 and 8, storage capacity: 3.2 tons of sand, capacity: 19,152 pounds of sand per hour.

(i) One (1) white silo, known as EU #9, pneumatic transfer, equipped with the Stonsheild Central Dust Collector, installed in 1987, exhausted through Stack 9, storage capacity: 52 tons of sand, throughput capacity: 7,000 pounds of sand per hour.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)] Continued

Stonblend/Stonshield Coating Process

(j) One (1) raw material silo, EU #10, pneumatic transfer, equipped with the Stonsheild Central Dust Collector, installed in 1987, exhausted through Stack 9, storage capacity: 63 tons of sand, throughput capacity: 9,000 pounds of sand per hour.

(k) One (1) Stonshield blender, one (1) Stonshield weigh hopper and three (3) tote stations, known as EU #11, pneumatic transfer, equipped with the Stonsheild Central Dust Collector, installed in 1987, exhausted through Stack 9, storage capacity: 2.4 tons of sand, throughput capacity: 7,000 pounds of sand per hour.

(l) One (1) Stonshield screening, Forburg surge hopper and raw material transporter, known as EU #12, equipped with Central Dust Collector, installed in 1987, exhausted through Stack 10, throughput capacity: 7,000 pounds of sand per hour.

(m) One (1) hand pack line with hopper bin, known as EU# 13, equipped with a baghouse dust collector (Baghouse # 11), installed in 1997, exhausted through Stack 11, storage capacity: 2.4 tons of sand, throughput capacity: 680 pounds of sand per hour.

(n) One (1) fluidized zone mixer designated as Forburg Mixer, known as EU #15, equipped with a baghouse dust collector (Baghouse #12), exhausting through Stack 15, installed in 1999, capacity: 17,143 pounds of aggregate, pigment and polymer dispersion per hour (8.571 batches per hour).

UT Process

(o) One (1) ribbon blender, known as EU #16, equipped with a baghouse dust collector (Baghouse UT), exhausting inside the building, installed in 1999, capacity: 5,000 pounds of aggregates per hour.

(p) One (1) bagging machine, known as EU #17, equipped with a baghouse dust collector, (Baghouse UT), exhausting inside the building, installed in 1999, capacity: 5,000 pounds of aggregates per hour.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-5(1)]

D.1.1 Particulate Matter (PM) [326 IAC 6-3]

(a) Pursuant to CP 003-10569-00217, issued May 10, 1999 and 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the color sand blend and bagging facilities shall not exceed the stated PM emission rates listed in the following table:

Operation	**Process Weight Rate** (tons per hour)	**Allowable PM Emission Rate** (pounds per hour)
EU #1	11.75	21.4
EU #2	0.550	2.75
EU #3	8.50	17.2
EU #4	8.50	17.2

Operation	Process Weight Rate (tons per hour)	Allowable PM Emission Rate (pounds per hour)
EU #5	8.50	17.2
EU #6	4.50	11.2
EU #7	4.50	11.2
EU #8	9.58	18.6
EU #9	3.50	9.49
EU #10	4.50	11.2
EU #11	3.50	9.49
EU #12	3.50	9.49
EU #13	0.340	1.99
EU #15	8.57	17.3
EU #16 & 17	2.50 each	7.58 each

(b) The pounds per hour limitation was calculated with the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$

where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.1.2 PM_{10} [326 IAC 2-8-4] [326 IAC 2-2]

(a) Pursuant to 326 IAC 2-8-4, the individual emissions units at the Stonclad, the Stonblend/ Stonsheild Coating and the UT Processes shall not exceed the following hourly PM_{10} emission limits:

Process	Hourly PM_{10} Emission Limit (pounds per hour)
Stonclad	6.81
Stonblend/Stonshield Coating	12.8
UT	2.13
Total	21.7

(b) Compliance with these PM_{10} emission limits will satisfy 326 IAC 2-8-4. Therefore, the Part 70 rules (326 IAC 2-7) and 326 IAC 2-2 do not apply.

D.1.3 PM [326 IAC 2-2]

The individual emissions units at the Stonclad, the Stonblend/Stonsheild Coating and the UT Processes shall not exceed the following hourly PM emission limits:

Process	Hourly PM Emission Limit (pounds per hour)
Stonclad	17.5
Stonblend/Stonshield Coating	32.9
UT	5.48
Total	55.9

D.1.4 Nonapplicability

(a) NSPS

(1) The requirements from CP 003-4084-00217, issued April 24, 1995, Condition No 5 requires that the processing plant shall comply with the New Source Performance Standards, 326 IAC 12 (40 CFR § 60.670 through § 60.676, Subpart OOO) "Standards of Performance for Nonmetallic Mineral Processing Plants." This rule requires particulate emission from the screening and conveying operations to be limited to 10% opacity or less. Opacity tests shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up pursuant to 40 CFR § 60.675(c), 40 CFR § 60.11, and 326 IAC 3-2.1, and

(2) The requirements from Source Modification No. 003-10569-00217, issued on May 10, 1999, Condition D.1.1, Particulate Matter Grain Loading and Opacity [40 CFR 60.670 through 60.676, Subpart OOO] requires that pursuant to the New Source Performance Standards, 326 IAC 12, 40 CFR 60.670 through 60.676, Subpart OOO, the particulate emissions from each bagging operation shall either:

(i) Contain particulate matter less than or equal to 0.05 g/dscm; or

(ii) Exhibit less than or equal to seven (7) percent opacity.

Both conditions are not applicable because IDEM, OAM has determined that this source is not subject to the requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR 60.670, Subpart OOO, because as per the definition of Nonmetallic Mineral Processing facility, the processing of nonmetallic minerals must include crushing or grinding.

(b) Title V

The requirements from Source Modification No. 003-10569-00217, issued on May 10, 1999, all Operation Conditions contained in Section C are not applicable because they pertain to a Part 70 Operating Permit. Since all HAPs from process operations have been eliminated, these conditions are not applicable and the source has chosen to operate under a FESOP rather than a Part 70 Operating Permit.

D.1.5 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for EU #1, EU #3, EU #4, EU #5, EU #8 and EU #15 and their control devices, including the Central Dust Collector.

Compliance Determination Requirements [326 IAC 2-8-5(a)(1)&(4)] [326 IAC 2-1.1-11]

D.1.6 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the PM and PM_{10} limits specified in Conditions D.1.1, D.1.2 and D.1.3 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Compliance Monitoring Requirements [326 IAC 2-8-6(1)] [326 IAC 2-8-5(1)]

D.1.7 Particulate Matter (PM)

(a) Pursuant to Source Modification No. 003-10569-00217, issued on May 10, 1999, the baghouses for PM control shall be in operation and control emissions from the EU #15, EU #16 and EU#17 at all times that the fluidized zone mixer, ribbon blender and the bagging machine are in operation.

(b) The baghouses for PM control shall be in operation and control emissions from the EU #1 through EU #13 at all times that the color sand blending and bagging processes are in operation.

D.1.8 Visible Emissions Notations

(a) Visible emission notations of the color sand blending and bagging exhausts (Stacks 1, 3, 4, 5, 8, 10 and15) shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.1.9 Parametric Monitoring

(a) The Permittee shall record the total static pressure drop across the baghouse #1 controlling the three (3) pneumatically filled silos (EU #1), at least once daily when the sand is being transfer to or from the silos 1 - 3.. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the pressure drop across the baghouse shall be maintained within the range of 3.0 to 5.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

(b) The Permittee shall record the total static pressure drop across the Baghouse #4 controlling the pneumatically transferred, Stonclad blender (EU #4), at least once daily when the

Stonclad blender is in operation. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the pressure drop across the baghouse shall be maintained within the range of 3.0 to 5.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

(c) The Permittee shall record the total static pressure drop across the Baghouse #5 controlling the pneumatically transferred, Stonclad bagger and receiving bin (EU #5), at least once daily when the Stonclad bagger and receiving bin is in operation. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the pressure drop across the baghouse shall be maintained within the range of 3.0 to 5.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

(d) The Permittee shall record the total static pressure drop across the Baghouse #8 controlling the pneumatically transferred, Stonsheild bagger and receiving bin (EU #8), at least once daily when the Stonsheild bagger and receiving bin is in operation. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the pressure drop across the baghouse shall be maintained within the range of 3.0 to 5.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

(e) The Permittee shall record the total static pressure drop across the Central Dust Collector, controlling the Stonclad bagger and receiving bin (EU #5), the tote fill station (EU #7), the Stonsheild bagger and receiving bin (EU #8) and the Stonshield screening, Forburg surge hopper and raw material transporter (EU #12) at least once daily when any of the these facilities are in operation. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the pressure drop across the baghouse shall be maintained within the range of 3.0 to 5.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

(f) The Permittee shall record the total static pressure drop across the Baghouse #12 controlling the fluidized zone mixer (EU #15), at least once daily when the mixing process is in operation. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the pressure drop across the baghouse shall be maintained within the range of 2.0 to 4.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

D.1.10 Baghouse Inspections

(a) An inspection shall be performed each calender quarter of all bags controlling the colored sand blending and bagging operation when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting indoors. All defective bags shall be replaced.

(b) The Permittee shall inspect the polyester felt bag controlling the sand feed chute at least once daily when venting to the atmosphere. Inspections are optional when venting indoors. All defective bags shall be replaced.

D.1.11 Broken or Failed Bag Detection

In the event that bag failure has been observed:

(a) The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

In the event that polyester felt bag failure (EU #3) has been observed:

(c) The associated process will be shut down immediately until the defective bag has been repaired or replaced.

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.12 Record Keeping Requirements

(a) To document compliance with Condition D.1.8, the Permittee shall maintain records of daily visible emission notations of the color sand blending and bagging exhausts (Stacks 1, 3, 4, 5, 8, 10 and15).

(b) To document compliance with Condition D.1.9, the Permittee shall maintain the following:

(1) Daily records of the following operational parameters during normal operation when venting to the atmosphere:

(A) Inlet and outlet differential static pressure; and

(B) Cleaning cycle: frequency and differential pressure.

(2) Documentation of all response steps implemented, per event .

(3) Operation and preventive maintenance logs, including work purchases orders, shall be maintained.

(4) Quality Assurance/Quality Control (QA/QC) procedures.

(5) Operator standard operating procedures (SOP).

(6) Manufacturer's specifications or its equivalent.

(7) Equipment "troubleshooting" contingency plan.

(8) Documentation of the dates vents are redirected.

(b) To document compliance with Condition D.1.10, the Permittee shall maintain records of the results of the inspections required under Condition D.1.10 and the dates the vents are redirected.

(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Insignificant Activities

(c) Any unit emitting less than 25 pounds per day or less than 5 pounds per hour of particulate matter: Bulk bag unloader - breaking of bag of sand. (326 IAC 6-3)

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-5(1)]

D.2.1 Particulate Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the bulk bag unloader shall not exceed allowable PM emission rate based on the following equation:

Interpolation and extrapolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10 P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

Compliance Determination Requirements [326 IAC 2-8-5(a)(1)&(4)] [326 IAC 2-1.1-11]

D.2.2 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the PM limit specified in Condition D.2.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: The StonCor Group, Inc.
Source Address: 1310 Dividend Road, Fort Wayne, Indiana 46808
Mailing Address: 1310 Dividend Road, Fort Wayne, Indiana 46808
FESOP No.: F 003-10697-00217

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

9 Annual Compliance Certification Letter

9 Test Result (specify) _____

9 Report (specify) _____

9 Notification (specify) _____

9 Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT

COMPLIANCE DATA SECTION
P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY/DEVIATION OCCURRENCE REPORT

Source Name: The StonCor Group, Inc.
Source Address: 1310 Dividend Road, Fort Wayne, Indiana 46808
Mailing Address: 1310 Dividend Road, Fort Wayne, Indiana 46808
FESOP No.: F 003-10697-00217

This form consists of 2 pages **Page 1 of 2**

Check either No. 1 or No.2
9 1. This is an emergency as defined in 326 IAC 2-7-1(12) The Permittee must notify the Office of Air Management (OAM), within four (**4**) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and The Permittee must submit notice in writing or by facsimile within two (**2**) days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16
9 2. This is a deviation, reportable per 326 IAC 2-8-4(3)(C) The Permittee must submit notice in writing within ten (**10**) calendar days

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency/Deviation:
Describe the cause of the Emergency/Deviation:

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency/Deviation started:
Date/Time Emergency/Deviation was corrected:
Was the facility being properly operated at the time of the emergency/deviation? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency/deviation:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
SEMI-ANNUAL COMPLIANCE MONITORING REPORT

Source Name: The StonCor Group, Inc.
Source Address: 1310 Dividend Road, Fort Wayne, Indiana 46808
Mailing Address: 1310 Dividend Road, Fort Wayne, Indiana 46808
FESOP No.: F 003-10697-00217

Months: _____ **to** _____ **Year:** _____

This report is an affirmation that the source has met all the compliance monitoring requirements stated in this permit. This report shall be submitted semi-annually. Any deviation from the compliance monitoring requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. This form can be supplemented by attaching the Emergency/Deviation Occurrence Report. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.

Compliance Monitoring Requirement (eg. Permit Condition D.1.3)	**Number of Deviations**	**Date of each Deviation**

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Management

Technical Support Document (TSD)
for a Federally Enforceable Operating Permit (FESOP)

Source Background and Description

Source Name:	The StonCor Group, Inc.
Source Location:	1310 Dividend Road, Fort Wayne, Indiana 46808
County:	Allen
SIC Code:	1446
Operation Permit No.:	F 003-10697-00217
Permit Reviewer:	Mark L. Kramer

The Office of Air Management (OAM) has reviewed a FESOP application from The StonCor Group, Inc. (formally known as Stonhard Manufacturing, Inc.) relating to the operation of colored sand blending and bagging source.

The source receives sand via railcars and then stores, mixes, blends, screens, colors and bags sand for use in the flooring industry. The source consists of sand storage silos, blenders, bagger/ receiving bins, screening processes, weigh hoppers, tote-fill station, a hand pack line and Stonblend process.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices.

Stonclad Process

(a) Three (3) silos, known as EU #1 (silos 1 - 3), pneumatic transfer, equipped with a baghouse dust collector (Baghouse #1), installed prior to 1982, exhausted through Stack 1, storage capacities: 210, 151 and 150 tons of sand, respectively, throughput capacities: 9,000, 11,000 and 3,500 pounds of sand per hour, respectively.

(b) Two (2) silos, known as EU #2 (silos 4 & 5), pneumatic transfer, each equipped with a baghouse dust collector (Baghouse #2), installed in 1982, exhausted through Stack 2, storage capacities: 70, and 46 tons of sand, respectively, throughput capacities: 800 and 300 pounds of sand per hour, respectively.

(c) One (1) sand feed chute, known as EU # 3, equipped with polyester felt bag for particulate matter control, installed in 1982, exhausted through Stack 3, storage capacity: 500 pounds of sand, throughput capacity: 17,000 pounds of sand per hour (capacity: 15,050 pounds of sand per hour pursuant to CP 003-4084-00217, issued April 24, 1995).

(d) One (1) Stonclad blender, known as EU #4, pneumatic transfer, equipped with baghouse dust collector (Baghouse #4), installed in 1982, exhausted through Stack 4, storage capacity: 5,000 pounds per hour, throughput capacity: 17,000 pounds of sand per hour (capacity:

15,050 pounds of sand per hours pursuant to CP 003-4084-00217, issued April 24, 1995).

(e) One (1) Stonclad bagger and receiving bin, known as EU #5, pneumatic transfer, equipped with the Central Dust Collector and a baghouse dust collector (Baghouse #5), respectively, installed in 1987, exhausted through Stacks 10 and 5, storage capacity: 22 tons of sand, throughput capacity: 17,000 pounds of sand per hour (capacity: 15,050 pounds of sand per hours pursuant to CP 003-4084-00217, issued April 24, 1995).

Note: This FESOP also deals with the proposed increased capacities indicated in (c), (d) and (e).

Stonblend/Stonshield Coating Process

(f) One (1) Forburg receiving bin, known as EU #6, pneumatic transfer, equipped with baghouse dust collector (Baghouse #6), installed in 1987, exhausted through Stack 6, storage capacity: 1.2 tons of sand, throughput capacity: 9,000 pounds of sand per hour (capacity: 6,000 pounds of sand per hour pursuant to CP 003-4084-00217, issued April 24, 1995).

(g) One (1) tote fill station, known as EU #7, pneumatic transfer, equipped with baghouse dust collector for conveying (Baghouse #7) and the Central Dust Collector for filling, installed in 1987, exhausted through Stacks 7 and 10, storage capacity: 1.2 tons of sand, throughput capacity: 9,000 pounds of sand per hour (capacity: 6,000 pounds of sand per hour pursuant to CP 003-4084-00217, issued April 24, 1995).

Note: This FESOP also deals with the proposed increased capacities indicated in (f) and (g).

(h) One (1) Stonsheild bagger and receiving bin, known as EU #8, pneumatic transfer, equipped with the Central Dust Collector and a baghouse dust collector (Baghouse #8), respectively, installed in 1987, exhausted through Stacks 10 and 8, storage capacity: 3.2 tons of sand, capacity: 19,152 pounds of sand per hour.

(i) One (1) white silo, known as EU #9, pneumatic transfer, equipped with the Stonsheild Central Dust Collector, installed in 1987, exhausted through Stack 9, storage capacity: 52 tons of sand, throughput capacity: 7,000 pounds of sand per hour.

(j) One (1) raw material silo, EU #10, pneumatic transfer, equipped with the Stonsheild Central Dust Collector, installed in 1987, exhausted through Stack 9, storage capacity: 63 tons of sand, throughput capacity: 9,000 pounds of sand per hour.

(k) One (1) Stonshield blender, one (1) Stonshield weigh hopper and three (3) tote stations, known as EU #11, pneumatic transfer, equipped with the Stonsheild Central Dust Collector, installed in 1987, exhausted through Stack 9, storage capacity: 2.4 tons of sand, throughput capacity: 7,000 pounds of sand per hour.

(l) One (1) Stonshield screening, Forburg surge hopper and raw material transporter, known as EU #12, equipped with Central Dust Collector, installed in 1987, exhausted through Stack 10, throughput capacity: 7,000 pounds of sand per hour.

(m) One (1) hand pack line with hopper bin, known as EU# 13, equipped with a baghouse dust collector (Baghouse # 11), installed in 1997, exhausted through Stack 11, storage capacity: 2.4 tons of sand, throughput capacity: 680 pounds of sand per hour.

(n) One (1) fluidized zone mixer designated as Forburg Mixer, known as EU #15, equipped with a baghouse dust collector (Baghouse #12), exhausting through Stack 15, installed in 1999,

capacity: 17,143 pounds of aggregate, pigment and polymer dispersion per hour (8.571 batches per hour).

UT Process

(o) One (1) ribbon blender, known as EU #16, equipped with a baghouse dust collector (Baghouse UT), exhausting inside the building, installed in 1999, capacity: 5,000 pounds of aggregates per hour.

(p) One (1) bagging machine, known as EU #17, equipped with a baghouse dust collector, (Baghouse UT), exhausting inside the building, installed in 1999, capacity: 5,000 pounds of aggregates per hour.

Silo #6, pursuant to CP 003-4084-00217, issued April 24, 1995, pneumatic transfer, equipped with a baghouse dust collector (Baghouse #2), installed in 1982, exhausted through Stack 2, storage capacity: 32.26 tons of sand is not to be included in the proposed FESOP.

Unpermitted Emission Units and Pollution Control Equipment

There are no unpermitted significant emission units operating at this source during this review process.

New Emission Units and Pollution Control Equipment Receiving Prior Approval

There are no new facilities proposed at this source during this review process, however, several of the emission units listed in the permitted sections have proposed increases in their capacities.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour. consisting of one (1) natural gas-fired hot air blower, rated at 1.0 million British thermal units per hour (rated at 0.5 million British thermal units per hour pursuant to SSM 003-10569-00217, issued May 10, 1999).

(b) The following VOC and HAP storage containers: Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.

(c) Any unit emitting less than 25 pounds per day or less than 5 pounds per hour of particulate matter: Bulk bag unloader - breaking of bag of sand.

Existing Approvals

The source has been operating under previous approvals including, but not limited to, the following:

(a) SSM 003-10569-00217, issued on May 10, 1999; and

(b) CP 003-4084-00217, issued April 24, 1995.

The SSM was issued prior to the source's elimination of the use of a HAP which at that time made the source major for HAPs. The source was unable to limit HAPs below the major HAPs levels of ten (10) and twenty-five (25) tons per year. The modifications in SSM 003-10569-00217, issued

May 10, 1999 have been incorporated into this proposed FESOP.

All conditions from previous approvals were incorporated into this FESOP except the following:

(a) CP 003-4084-00217, issued April 24, 1995.

Condition No 5: That the processing plant shall comply with the New Source Performance Standards, 326 IAC 12 (40 CFR § 60.670 through § 60.676, Subpart OOO) "Standards of Performance for Nonmetallic Mineral Processing Plants." This rule requires particulate emission from the screening and conveying operations to be limited to 10% opacity or less. Opacity tests shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up pursuant to 40 CFR § 60.675(c), 40 CFR § 60.11, and 326 IAC 3-2.1, and

(b) SSM 003-10569-00217, issued on May 10, 1999; and

Condition D.1.1 Particulate Matter Grain Loading and Opacity [40 CFR 60.670 through 60.676, Subpart OOO] :Pursuant to the New Source Performance Standards, 326 IAC 12, 40 CFR 60.670 through 60.676, Subpart OOO, the particulate emissions from each bagging operation shall either:

(1) Contain particulate matter less than or equal to 0.05 g/dscm; or

(2) Exhibit less than or equal to seven (7) percent opacity.

Reason both conditions are not incorporated:

This source is not subject to the requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR 60.670, Subpart OOO, because as per the definition of Nonmetallic Mineral Processing facility, the processing of nonmetallic minerals must include crushing or grinding.

In the revisions to Subpart OOO, published in the June 9, 1997 Federal Register on page 31354, the comments section specifically clarifies that EPA did not intend to regulate stand-alone screening operations at plants that have no crushers. Plants that do not employ crushing or grinding, by definition, are not considered nonmetallic mineral processing plants and thus are not subject to Subpart OOO.

Therefore, since this source only colors and packages aggregate, NSPS Subpart OOO is not applicable to this source.

(3) All Operation Conditions contained in Section C were not incorporated because they pertain to a Part 70 Operating Permit, rather than the proposed FESOP. The source has eliminated all HAPs from process operations and no longer requires a Part 70 Operating Permit.

Air Pollution Control Justification as an Integral Part of the Process

The company has submitted the following justification such that the baghouses on specific processes be considered as an integral part of the respective process:

The processes with controls use pneumatic conveyance equipment and therefore should be considered as an integral control.

For the first time at this source, IDEM, OAM has evaluated the justifications and agreed that the baghouses will be considered as an integral part of the processes that use pneumatic conveyance equipment. Therefore, the permitting level will be determined using the potential to emit after the baghouses. Operating conditions in the proposed permit will specify that this baghouses shall operate at all times when the specific processes are in operation.

Enforcement Issue

(a) IDEM is aware that equipment has been constructed and operated prior to receipt of the proper permit. The subject equipment is listed in this Technical Support Document under the condition entitled *Insignificant Activities.*

(b) IDEM is reviewing this matter and will take appropriate action. This proposed permit is intended to satisfy the requirements of the construction permit rules.

The source has the following enforcement actions:

Violation letter dated November 8, 1999.

Source did not meet certain monitoring and record keeping conditions of their permit, for example, Condition D.1.11 that required that a log of the pressure drop readings be maintained, but the source had no log.

The hot air blower constructed is larger than the originally permitted unit which is deemed an “insignificant activity” in the proposed FESOP.

Recommendation

The staff recommends to the Commissioner that the FESOP be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An administratively complete FESOP application for the purposes of this review was received on March 10, 1999, originally transmitted May 18, 1998. Additional information was received on September 20, October 29 and December 22, 1999 as well as on March 6, 2000.

Emission Calculations

See page 1 of 1 of Appendix A of this document for detailed emissions calculations.

Potential To Emit

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA.”

Pollutant	Potential To Emit (tons/year)
PM	6,247
PM_{10}	6,247
SO_2	0.00
VOC	0.00
CO	0.00
NO_X	0.00

Note: For the purpose of determining Title V applicability for particulates, PM_{10}, not PM, is the regulated pollutant in consideration.

HAPs	Potential To Emit (tons/year)
TOTAL	None

(a) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of PM_{10} are equal to or greater than one hundred (100) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

(b) Fugitive Emissions

Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

(c) This source, otherwise required to obtain a Title V permit, has agreed to accept a permit with federally enforceable limits that restrict its PTE to below the Title V emission levels. Therefore, this source will be issued a Federally Enforceable State Operating Permit (FESOP), pursuant to 326 IAC 2-8.

(d) Due to the elimination of the use of methylene chloride, there are no HAPs at this source.

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 1996 OAM emission data.

Pollutant	Actual Emissions (tons/year)
PM	1.35
PM_{10}	1.35
SO_2	-

Pollutant	Actual Emissions (tons/year)
VOC	-
CO	-
NO_X	-
HAP	-

Potential to Emit Due Increased Capacities of Permitted Equipment

At the same time as this FESOP review, the proposed increase in capacities of EU #3, EU #4, EU #5, EU #6 and EU#7 are also being reviewed. The potential to emit due to the proposed increase in capacities from the one (1) sand feed chute, known as EU # 3, one (1) Stonclad blender, known as EU #4, and one (1) Stonclad bagger and receiving bin, known as EU #5, each increasing capacity from 15,050 to 17,000 pounds of sand per hour or an increase of 1,950 pounds of sand per hour, one (1) Forburg receiving bin, known as EU #6, increasing capacity from 6,000 to 9,000 pounds of sand per hour and one (1) tote fill station, known as EU #7, increasing capacity from 6,000 to 9,000 pounds of sand per hour or an increase of 3,000 pounds of sand per hour each has been calculated as a direct proportion of the emissions based on the throughput increase, rather than changes in the characteristics of the baghouse with the higher throughputs.

EU#	**PM PTE @ 17,000 lbs/hr** tons/year	**PM PTE @ 15,050 lbs/hr** tons/year	**PM PTE for the Increase of 1,950 lbs/hr** tons/year
3	177.8	157.4	20.4
4 (pneumatic)	1.15	1.02	0.132
5 (pneumatic)	0.336	0.297	0.039
	PM PTE @ 9,000 lbs/hr tons/year	**PM PTE @ 6,000 lbs/hr** tons/year	**PM PTE for the Increase of 3,000 lbs/hr** tons/year
6 (pneumatic)	0.336	0.224	0.112
7 (pneumatic)	0.796	0.531	0.265
Total	180.4	159.5	20.9

The PTE from the unpermitted increase in capacity of the one (1) natural gas-fired hot air blower, rated at 1.0 million British thermal units per hour originally permitted at a lower rating of 0.5 million British thermal units per hour pursuant to SSM 003-10569-00217, issued May 10, 1999 is as follows based on AP-42 Chapter 1.4 emission factors:

Pollutant	Emissions (tons/yr)
PM	0.004
PM_{10}	0.017
SO_2	0.001
VOC	0.012
CO	0.184
NO_X	0.219

This hot air blower is deemed an insignificant activity.

The potential to emit (as defined in 326 IAC 2-5.1-2) of PM and PM_{10} of all equipment with increased capacities are less than twenty-five (25) tons per year and greater than five (5) tons per year. Therefore, the proposed and the unpermitted increases in capacities are considered a registration level increase.

The PTE after controls due to the proposed increase in capacities from the one (1) sand feed chute, known as EU # 3, one (1) Stonclad blender, known as EU #4, and one (1) Stonclad bagger and receiving bin, known as EU #5, each increasing capacity from 15,050 to 17,000 pounds of sand per hour or an increase of 1,950 pounds of sand per hour, one (1) Forburg receiving bin, known as EU #6, increasing capacity from 6,000 to 9,000 pounds of sand per hour and one (1) tote fill station, known as EU #7, increasing capacity from 6,000 to 9,000 pounds of sand per hour or an increase of 3,000 pounds of sand per hour each has been calculated as a direct proportion of the emissions based on the throughput increase, rather than changes in the characteristics of the baghouse with the higher throughputs.

EU#	**PTE @ 17,000 lbs/hr After Controls** tons/year	**PTE @ 15,050 lbs/hr After Controls** tons/year	**PTE After Controls for the Increase of 1,950 lbs/hr** tons/year
3	0.178	0.158	0.020
4 (pneumatic)	1.15	1.02	0.132
5 (pneumatic)	0.336	0.297	0.039
	PM PTE @ 9,000 lbs/hr tons/year	**PM PTE @ 6,000 lbs/hr** tons/year	**PM PTE for the Increase of 3,000 lbs/hr** tons/year
6 (pneumatic)	0.336	0.224	0.112
7 (pneumatic)	0.796	0.531	0.265
Total	2.80	2.23	0.568

These increase at an existing minor PSD source are less than the PSD Significant Thresholds of 250 tons per year for each of the criteria pollutants and therefore the requirements of 326 IAC 2-2 and 40 CFR 52.21 do not apply.

Limited Potential to Emit

The table below summarizes the total potential to emit, reflecting all limits, of the significant emission units after controls. The emissions from the increased capacities have been incorporated into the total potential to emit.

	Limited Potential to Emit (tons/year)						
Process/facility	PM	PM_{10}	SO_2	VOC	CO	NO_X	HAPs
EU #1 - EU #17	13.8	13.8	0.00	0.00	0.00	0.00	0.00
Insignificant Activities	5.0	5.0	0.003	0.5	0.368	0.438	0.5
Total Emissions	5.0	5.0	0.003	0.5	0.368	0.438	0.5

County Attainment Status

The source is located in Allen County.

Pollutant	**Status**
PM_{10}	Attainment
SO_2	Attainment
NO_2	Attainment
Ozone	Attainment
CO	Attainment
Lead	Attainment

Volatile organic compounds (VOC) and oxides of nitrogen (NO_X) are precursors for the formation of ozone. Therefore, VOC and NO_X emissions are considered when evaluating the rule applicability relating to the ozone standards. Allen County has been designated as attainment or unclassifiable for ozone.

Federal Rule Applicability

(a) This source is not subject to the requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR 60.670, Subpart OOO, because as per the definition of Nonmetallic Mineral Processing facility, the processing of nonmetallic minerals must include crushing or grinding.

In the revisions to Subpart OOO, published in the June 9, 1997 Federal Register on page 31354, the comments section specifically clarifies that EPA did not intend to regulate stand-alone screening operations at plants that have no crushers. Plants that do not employ crushing or grinding, by definition, are not considered nonmetallic mineral processing plants

and thus are not subject to Subpart OOO.

Therefore, since this source only colors and packages aggregate, NSPS Subpart OOO is not applicable to this source.

(b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR Part 63) applicable to this source.

State Rule Applicability - Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration, (PSD))

After controls, the emissions from this source of particulate matter are less than 250 tons per year. Therefore, the source is classified a minor source under PSD rules and thus the requirements of this rule are not applicable.

To assure compliance with 326 IAC 2-2, limited hourly PM emission rates have been calculated for each process (Stonclad, Stonblend/Stonshield Coating and UT) by directly proportioning the controlled PTE of PM of each process to a total of 55.9 pounds per hour of PM, equivalent to 245 tons per year of PM for all significant emission units.

Process	**Emission Units**	**Controlled PM PTE** (pounds per hour)	**Hourly PM Limits** (pounds per hour)
Stonclad	1 - 5	0.988	17.5
Stonblend/Stonshield Coating	6 - 13 and 15	1.853	32.9
UT	16 and 17	0.309	5.48
Total	1 - 13, 15, 16 and 17	3.15	55.9

326 IAC 2-6 (Emission Reporting)

This source is located in Allen County and the potential to emit PM_{10} is less than one hundred (100) tons per year. The source is not one of the twenty-eight (28) listed sources and its potential to emit PM_{10} is less than one-hundred (100) tons per year including fugitive emissions, therefore, 326 IAC 2-6 does not apply.

The source will be required to annually submit a statement of the actual emissions of all federally regulated pollutants from the source, for the purpose of fee assessment.

326 IAC 2-8-4 (FESOP)

Pursuant to this rule, the amount of $PM_{10,}$ SO_2, VOC, CO and NO_X shall be limited to less than one hundred (100) tons per year. In addition, the amount of a single HAP shall be limited to less than ten (10) tons per year and the combination of all HAPs shall be limited to less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 2-7, do not apply.

To assure compliance with 326 IAC 2-8-4, limited hourly PM_{10} emission rates have been calculated for each process (Stonclad, Stonblend/Stonshield Coating and UT) by directly proportioning the controlled PTE of PM of each process to a total of 21.7 pounds per hour of PM_{10}, equivalent to 95 tons per year of PM_{10} for all significant emission units.

Process	Emission Units	Controlled PM PTE (pounds per hour)	Hourly $_{10}$ Limits (pounds per hour)
Stonclad	1 - 5	0.988	6.81
Stonblend/Stonshield Coating	6 - 13 and 15	1.853	12.8
UT	16 and 17	0.309	2.13
Total	1 - 13, 15, 16 and 17	3.15	21.7

These hourly PM_{10} emission limits also make the requirements of 326 IAC 2-2 for PM_{10} not applicable.

326 IAC 5-1 (Opacity)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemption Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on September 15, 1994. The plan consists of controlling fugitive dust by utilizing air pollution control equipment, specifically baghouse dust collectors. Fugitive emissions shall be considered in compliance with the control plan provided that the visible emissions do not exceed 20% opacity.

State Rule Applicability - Individual Facilities

326 IAC 2-8-4(9) (Preventive Maintenance Plan)

(a) A Preventive Maintenance Plan is required for EU #1, EU #3, EU #4, EU #5, EU #8 and EU #15 because the allowable PM emissions exceed ten (10) pounds per hour and each emission unit has a control device, including the Central Dust Collector.

(b) A Preventive Maintenance Plan is not required for EU #2, EU #6, EU #7, EU #9 through EU #13, EU #16 and EU #17 because the allowable PM emissions do not exceed ten (10) pounds per hour and each emission unit has a control device.

326 IAC 6-3-2 (Process Operations)

(a) Stonshield Process

Pursuant to Source Modification No. 003-10569-00217, issued on May 10, 1999, the particulate matter (PM) from the Stonshield fluidized zone mixer (EU #15) shall be limited to 17.3 pounds per hour based on a process weight rate of 17,143 pounds per hour (8.57 tons per hour). The mixer complies with this allowable PM emission limit since the potential PM emissions after control is 0.512 pounds per hour. The allowable PM emission rate is calculated by the following equation for the process weight rate up to sixty thousand (60,000) pounds per hour:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

Baghouse #12 shall be in operation at all times the Stonshield fluidized zone mixer is in operation, in order to comply with this limit.

(b) UT Process (formerly known as Stonclad Part C Process)

Pursuant to Source Modification No. 003-10569-00217, issued on May 10, 1999, the particulate matter (PM) from the UT Process manufacturing operation (ribbon blender (EU #16) and bagging machine (EU #17)) shall be limited to 7.58 pounds per hour each based on a process weight rate of 5,000 pounds per hour (2.50 tons per hour) each. These emission units comply with this allowable PM emission limit since the potential PM emissions after control is 0.309 pounds per hour. The allowable PM emission rate is calculated by the following equation for the process weight rate up to sixty thousand (60,000) pounds per hour:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

The baghouse, known as UT, formerly known as DC13, shall be in operation at all times the ribbon blender and bagging machine are in operation, in order to comply with this limit.

(c) All Other Process Operations

The allowable particulate matter (PM) emission rate from emission units specified in the following table shall not exceed the stated PM emission rate in pounds per hour when operating at the stated process weight rates. The allowable PM emission rates are calculated with the following:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

All baghouses controlling the emission units shall be in operation at all times that the emission unit is in operation, in order to comply with these limits.

The PM emissions from each emission unit listed on page 1 of 1 of Appendix A substantiates that all emission units comply with the allowable PM emission rates.

Operation	Process Weight Rate (tons/hour)	Allowable PM Emission Rate (pounds/hour)	Potential PM Emission Rate After Controls (pounds/hour)
EU #1	11.75	21.4	0.304
EU #2	0.550	2.75	0.304
EU #3	8.50	17.2	0.041
EU #4	8.50	17.2	0.262
EU #5	8.50	17.2	0.142
EU #6	4.50	11.2	0.077
EU #7	4.50	11.2	0.247
EU #8	9.58	18.6	0.327
EU #9	3.50	9.49	0.259
EU #10	4.50	11.2	0.259
EU #11	3.50	9.49	0.259
EU #12	3.50	9.49	0.065
EU #13	0.340	1.99	0.304
Total		158	2.33

Although the sum of the allowable PM emissions pursuant to 326 IAC 6-3-2 exceeds 57.1 pounds per hour, equivalent to two hundred fifty (250) tons per year, the source shall not emit PM at a rate of two hundred fifty (250) or more tons per year so that the requirements of 326 IAC 2-2 are not applicable.

Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAM, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as follows:

EU #1, EU #3, EU #4, EU #5, EU #8, EU #15 and the Central Dust Collector have applicable compliance monitoring conditions as specified below:

(a) Visible emissions notations of the baghouse exhausts Stacks 1, 3, 4, 5, 8, 10 and 15 shall be performed during normal daylight operations. A trained employee will record whether emissions are normal or abnormal. For processes operated continuously "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

(b) The Permittee shall record the total static pressure drop across the baghouse #1 controlling the three (3) pneumatically filled silos (EU #1), at least once daily when the sand is being transfer to or from the silos 1 - 3. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the pressure drop across the baghouse shall be maintained within the range of 3.0 to 5.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

(c) The Permittee shall inspect the polyester felt bag controlling the sand feed chute (EU #3) at least once daily. If a defective bag is found, the associated process will be shut down immediately until the defective bag has been repaired or replaced.

(d) The Permittee shall record the total static pressure drop across the Baghouse #4 controlling the pneumatically transferred, Stonclad blender (EU #4), at least once daily when the Stonclad blender is in operation. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the pressure drop across the baghouse shall be maintained within the range of 3.0 to 5.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

(e) The Permittee shall record the total static pressure drop across the Baghouse #5 controlling the pneumatically transferred, Stonclad bagger and receiving bin (EU #5), at least once daily when the Stonclad bagger and receiving bin is in operation. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the pressure drop across the baghouse shall be maintained within the range of 3.0 to 5.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

(f) The Permittee shall record the total static pressure drop across the Baghouse #8 controlling the pneumatically transferred, Stonsheild bagger and receiving bin (EU #8), at least once daily when the Stonsheild bagger and receiving bin is in operation. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the pressure drop across the baghouse shall be maintained within the range of 3.0 to 5.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure

reading is outside of the above mentioned range for any one reading.

(g) The Permittee shall record the total static pressure drop across the Central Dust Collector, controlling the Stonclad bagger and receiving bin (EU #5), the tote fill station (EU #7), the Stonsheild bagger and receiving bin (EU #8) and the Stonshield screening, Forburg surge hopper and raw material transporter (EU #12) at least once daily when any of the these facilities are in operation. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the pressure drop across the baghouse shall be maintained within the range of 3.0 to 5.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

(h) The Permittee shall record the total static pressure drop across the Baghouse #12 controlling the fluidized zone mixer (EU #15), at least once daily when the mixing process is in operation. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the pressure drop across the baghouse shall be maintained within the range of 2.0 to 4.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

These monitoring conditions are necessary because the baghouses for the color sand blending and bagging processes must operate properly to ensure compliance with 326 IAC 6-3 (Process Operations) and 326 IAC 2-8 (FESOP).

Air Toxic Emissions

Indiana presently requests applicants to provide information on emissions of the 188 hazardous air pollutants (HAPs) set out in the Clean Air Act Amendments of 1990. These pollutants are either carcinogenic or otherwise considered toxic and are commonly used by industries. They are listed as air toxics on the Office of Air Management (OAM) FESOP Application Form GSD-08.

This source will emit levels of air toxics less than those which constitute a major source according to Section 112 of the 1990 Clean Air Act Amendments from insignificant activities.

Conclusion

The operation of this colored sand blending and bagging source shall be subject to the conditions of the attached proposed FESOP No.: F 003-10697-00217.

Appendix A: Emission Calculations
Baghouse Operations

Company Name: The StonCor Group, Inc.
Address City IN Zip: 1310 Dividend Road, Fort Wayne, Indiana 46808
FESOP: F 003-10697
Plt ID: 003-00217
Reviewer: Mark L. Kramer
Date: March 10, 1999

	Unit ID	Control Efficiency (%)	Grain Loading per Actual Cubic foot of Outlet Air (grains/cub. ft.)	Gas or Air Flow Rate (acfm.)	Emission Rate before Controls (lb/hr)	Emission Rate before Controls (tons/yr)	Emission Rate after Controls (lb/hr)	Emission Rate after Controls (tons/yr)	Notes	
	EU #1	99.90%	0.020	1776.0	0.304	1.33	0.304	1.33	Pneumatic Transfer	
	EU #2	99.90%	0.020	1776.0	0.304	1.33	0.304	1.33	Pneumatic Transfer	
	EU #3	99.9%	n/a	none	40.6	177.8	0.041	0.178		
	EU #4	99.90%	0.020	1528.0	0.262	1.15	0.262	1.15	Pneumatic Transfer	
	EU #5	*99.90%*	*0.020*	*448.0*	*0.077*	*0.336*	*0.077*	*0.336*	Pneumatic Transfer	
C	**EU #5**	**99.90%**	**0.020**	**448.0**	**64.877**	**284.160**	**0.142**	**0.620**	Pneumatic Transfer	With 25% of the PM emission from the Central Dust Collector
	EU #6	99.90%	0.020	448.0	0.077	0.336	0.077	0.336	Pneumatic Transfer	
	EU #7	*99.90%*	*0.020*	*1060.0*	*0.182*	*0.796*	*0.182*	*0.796*	Pneumatic Transfer	
C	**EU #7**	**99.90%**	**0.020**	**1060.0**	**64.982**	**284.620**	**0.247**	**1.080**	Pneumatic Transfer	With 25% of the PM emission from the Central Dust Collector
	EU #8	*99.90%*	*0.020*	*1528.0*	*0.262*	*1.15*	*0.262*	*1.15*	Pneumatic Transfer	
C	**EU #8**	**99.90%**	**0.020**	**1528.0**	**65.062**	**284.97**	**0.327**	**1.43**	Pneumatic Transfer	With 25% of the PM emission from the Central Dust Collector
SC	EU #9, 10 & 11	99.90%	0.020	1512.0	0.259	1.135	0.259	1.135	Pneumatic Transfer	
C	*EU #12*	*99.90%*	*0.020*	*1512.0*	*259.2*	*1135.30*	*0.259*	*1.14*		
C	**EU #12**	**99.90%**	**0.020**	**1512.0**	**64.8**	**283.82**	**0.065**	**0.28**	25% of the PM emission from the Central Dust Collector, other 75% in EU# 5, 7 and 8	
	EU #13	99.90%	0.020	1776.0	304.5	1333.52	0.304	1.33		
	EU #15	99.90%	0.052	1148.0	511.7	2241.16	0.512	2.24		
	EU #16 &17	99.90%	0.020	1800.0	308.6	1351.54	0.309	1.35		
	Total EU 1 - 17					**6246.91**	**3.15**	**13.80**		

SC = Stoneshield Central Dust Collector
C = Central Dust Collector

Methodology

Emission Rate in lbs/hr (after controls) = (grains/cub. ft.) (sq. ft.) ((cub. ft./min.)/sq. ft.) (60 min/hr) (lb/7000 grains)
Emission Rate in tons/yr = (lbs/hr) (8760 hr/yr) (ton/2000 lb)

Emission Rate in lbs/hr (before controls) = Emission Rate (after controls): (lbs/hr)/(1-control efficiency)
Emission Rate in tons/yr = (lbs/hr) (8760 hr/yr) (ton/2000 lb)
Those Emission units designated with pneumatic transfer have had the control equipment considered as integral to the process.
Therefore, potential emission before controls equals potential emissions after controls.

Allowable Rate of Emissions

Emission Units #	Process Rate (lbs/hr)	Process Weight Rate (tons/hr)	Allowable Emissions (lbs/hr)	Allowable Emissions (tons/yr)
1	23500	11.75	21.37	93.6
2	1100	0.55	2.75	12.0
3	17000	8.50	17.20	75.3
4	17000	8.50	17.20	75.3
5	17000	8.50	17.20	75.3
6	9000	4.50	11.23	49.2
7	9000	4.50	11.23	49.2
8	19152	9.58	18.63	81.6
9	7000	3.50	9.49	41.6
10	9000	4.50	11.23	49.2
11	7000	3.50	9.49	41.6
12	7000	3.50	9.49	41.6
13	680	0.34	1.99	8.7
15	17143	8.57	17.30	75.8
16	5000	2.50	7.58	33.2
17	5000	2.50	7.58	33.2

Methodology

Allowable Emissions = 4.10(Process Weight Rate)^0.67